

Warfighter Information Network–Terrestrial (WIN-T) Switches

Compact Digital Switch (CDS)



AN/TTC-39D W/PS

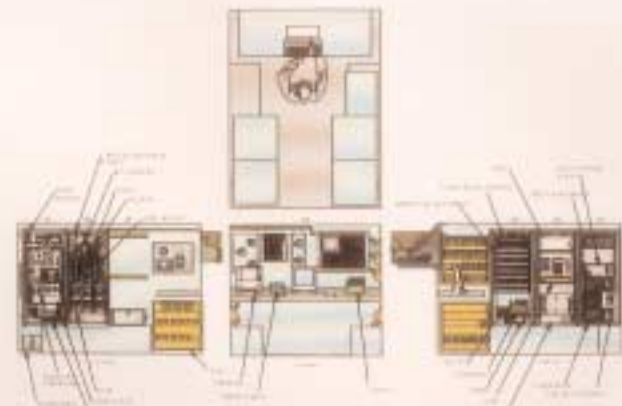


Switch Multiplexer Unit (SMU)



AN/TTC-56(V)1
SSS
Shelter Layout

LIFE CHANGE - DCTM



MISSION

Improve the tactical communications infrastructure; significantly reduce the amount of lift assets required to deploy signal forces into the area of operation.

DESCRIPTION AND SPECIFICATIONS

Project Manager, Warfighter Information Network–Terrestrial (PM WIN-T) is fielding three new switches; the Compact Digital Switch (CDS), the Switch Multiplexer Unit (SMU), and the AN/TTC-56 Single Shelter Switch (SSS). These switches provide easier transportability for rapid mobilization and increased mobility of a network that supports command and control on-the-move (C2OTM). The SSS integrates the CDS and SMU in a single CMS shelter.

AN/TTC-39D. The mission of the AN/TTC-39D is to serve as a gateway switch (interface) between Mobile Subscriber Equipment (MSE) systems deployed at echelons at corps and below (ECB) and other joint service switches deployed at echelons above corps (EAC). It is a transportable automatic switching system. The circuit switch also has a routing function that provides a means for locating subscribers in a network.

CDS. The CDS is a small lightweight stand-alone circuit switch designed for rapid deployment. It is used by Army and Air Force contingency forces in support of Special Operations forces.

SMU. The SMU can be assembled in a transit case configuration, is capable of being carried by four personnel, or can be easily mounted into rack configurations. It can interface with and accommodate a wide range of communication systems and equipment, both tactical and strategic via a T1/CEPT2 circuit card.

SSS. The mission of the Single Shelter Switch (SSS) is to serve as a gateway switch (interface) between MSE systems deployed at ECB and other joint service switches deployed at EAC. It is a downsized High Mobility Multipurpose Wheeled Vehicle (HMMWV) mounted version of the AN/TTC-39D.

FOREIGN COUNTERPART

No known foreign counterpart

FOREIGN MILITARY SALES

None

PROGRAM STATUS

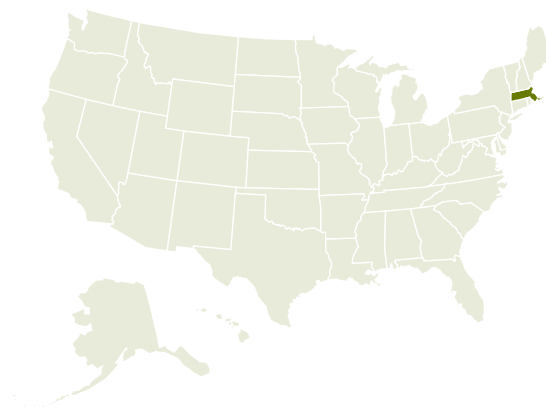
The CDS and SMU programs are presently in production. They can be acquired from the Tactical Switch Requirements Contract, DAAB07-97-D-F758. The Single Shelter Switch program is in production; 27 units are currently being built by GTE. The SSS initial operational test and evaluation was completed 1QFY00. The AN/TTC-39D fieldings are complete.

PROJECTED ACTIVITIES

The AN/TTC-39D will be re-distributed to Guard and Reserve units after they are displaced by fielding of Single Shelter Switch.

PRIME CONTRACTORS

CDS, SMU, SSS, and AN/TTC-39D: General Dynamics (Taunton, MA)



* See appendix for list of subcontractors



Project the Force



Protect the Force



Gain Information Dominance



Shape the Battlespace



Conduct Decisive Operations



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